

# VIGO COUNTY HEALTH DEPARTMENT



## 2014 ANNUAL REPORT

The Vigo County Health Department serves to promote, protect and provide for the well being of the citizens in Vigo County

## **BOARD OF HEALTH**

For almost 50 years, the Vigo County Health Department has provided the citizens of Vigo County with the very best public health services possible. Today, those services have expanded into areas our predecessors never imagined, challenging us to keep pace with the demands of an ever changing environment and population. The Vigo County Health Department has continued in the successful tradition established under the leadership of its Board of Health. Members of the Board of Health have roots in medicine, law, business, industry, labor and social services. Maintaining constant communication between the governing body and staff members has been instrumental in relating regulation and procedures that best serve the community. The Vigo County Board of Health is appointed by elected officials in order to represent the needs of the community. The Vigo County Board of County Commissioners appoint all seven members of the board, no more than three from the same political party.

### **2014 BOARD OF HEALTH MEMBERS**

Jeffery Depasse (President)  
Dora Abel (Vice President)  
Irving Haber D.O.  
Brian Garcia

Michael Eldred  
James Turner, D.O.  
Robert Burkle, M.D.

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## PUBLIC HEALTH IN VIGO COUNTY



**Dr. Darren Brucken**  
**Health Commissioner**



**Joni Wise**  
**Administrator**

**Vision:** *Healthy People in Healthy Communities*

**Mission:** *Promote physical & mental health, prevent disease, injury and disability*

### **Public Health Goals**

- Prevents epidemics and the spread of disease
- Protects against environmental hazards
- Prevents injuries
- Responds to disasters and assists communities in recovery
- Assures the quality and accessibility of health services

### **Essential Public Health Services**

- Monitor health status to identify community health problems
- Diagnose and investigate health problems and health hazards in the community
- Inform, educate and empower people about health issues
- Mobilize community partnerships to identify and solve health problems
- Develop policies and plans that support individual and community health efforts
- Enforce laws and regulations that protect health and ensure safety
- Link people to needed personal health services and assure the provision of health care when otherwise unavailable
- Assure a competent public health and personal health care workforce
- Evaluate effectiveness, accessibility and quality of personal and population-based health services
- Research for new insights and innovative solutions to health problems

Programs and services are developed, implemented, evaluated and revised (if needed) to enable carrying out the essential public health services and meet the public health goals.

# **VIGO COUNTY HEALTH DEPARTMENT**

## **Administration**

Darren Brucken, M.D., Health Commissioner  
Joni Wise, Administrator  
Travella Myers, Deputy Administrator  
Rhonda Coombs, Bookkeeper  
Vicky Barish, Purchasing Clerk

## **Environmental Health Division**

Travella Myers, Supervisor  
Theresa Jackson, Food Specialist  
Amanda Bales, Food Specialist  
Mark McClintock, Wastewater Specialist  
Marci Shaw, Lead Specialist  
Steve Thompson, Wastewater Specialist

## **Health Education/Media Coordination**

Christina Keller

## **Vector Control Division**

Michael Grayless, Supervisor  
Tony Grayless, Asst. Supervisor  
Warren Sweitzer, Assistant  
David Higgins, Assistant  
Logan Edwards, Seasonal  
Kim Edwards, Secretary  
Dailyn Beck, Seasonal

## **Vital Statistics Division**

Terri Manning, Supervisor  
Connie Malooley, Asst. Supervisor  
Kirsten McGrew, Registrar  
Loretta Nicoson, Registrar  
Brooke Foltz, Part-Time Registrar

## **Nursing Division**

Catherine Brown, M.D., Pediatrician  
Jane Keyes, RN, Staff Nurse  
Kristin Wright, RN, Staff Nurse  
Christina Barbour, RN, Staff Nurse  
Christine Jones, RN, Staff Nurse  
Dolly Moss, Secretary  
Teresa Bechtel, Immunization Registry Clerk  
Jennifer Molica, Disease Intervention Specialist (January 1-June 30)

## FINANCIAL REPORT FOR 2014

Cash Balance Health – January 1, 2014	\$1,189,673.80
Balance in Health – December 31, 2014	\$1,092,782.58
Cash Balance – Health Donation – January 1, 2014	\$ 129,446.91
Balance in Health Donation – December 31, 2014	\$ 78,319.83
Cash Balance – Health Maintenance – January 1, 2014 – Reserve	\$ 8,688.44
Balance in Health Maintenance – December 31, 2014	\$ 869.02

### EXPENSES

Personnel Services	\$1,292,889.59
Supplies	\$ 145,258.34
Other Services	\$ 93,660.18
Capital Outlays	\$ 5,560.93
Un-Appropriated Funds	\$ 16,590.46

**TOTAL DISBURSEMENTS \$ 1,553,959.50**

### RECEIPTS

Fees Collected	\$ 246,828.49
Tax Advancements & Settlements	\$ 935,634.41
Financial Institutional Tax	\$ 8,791.28
State Grants (Local Health Maintenance & LHD Trust	\$ 117,269.58
Commercial Vehicle Excise/Health Tax	\$ 4,610.66
Miscellaneous Revenue	\$ 180.00
Auto, Aircraft, Excise Tax	\$ 79,926.33

**TOTAL RECEIPTS - \$1,393,240.75**

### COLLECTION JANUARY 1, 2014 - DECEMBER 31, 2014

Vital Statistics	\$143,288.00
Environmental Health	\$ 82,725.00
Immunizations	\$ 20,514.81
Other	\$ 300.68
Coroner's Education Fund	\$ 16,734.00
Donation Fund – Travel, Flu, Lead, Vaccines	\$ 40,610.00



## BOOKKEEPING & PURCHASING



**Vicky Barish, Purchasing Clerk and Rhonda Coombs, Bookkeeper**

Bookkeeping and Purchasing are an important part of Administration of the Health Department. We manage funds and purchases with allocations by the Vigo County Council, Indiana State Department of Health and the Indiana State Board of Accounts. Our Goal is to conscientiously and prudently utilize our funds to the benefit of those we serve – the public and our office, within compliance of all rules and regulations. We make purchases based on the assessed needs of our employees and

their divisional programs, while making sure we obtain the best prices available. As with most municipal entities, we have had less funds throughout the years, so we have become very proficient and ingenious in our spending. The bookkeeper and purchasing clerk also assist the Environmental Health Division as support staff as well as being an integral part of our team comprising of twenty eight full time employees, seven part-time employees, and one contractual person.

## VECTOR CONTROL DIVISION



**Left to right, front row: Warren Sweitzer, Logan Edwards and David Higgins  
Left to right, back row: Mike Grayless, Kim Edwards and Tony Grayless**

The primary goal of the Vector Control Division is to reduce the risk of disease and death from pathogens carried by animals and/or vectors. The Vector Control Division also repairs and maintains all Health Department vehicles and spraying equipment.

A "vector" is an agent capable of transmitting a pathogen from one organism to another. (i.e. mosquito, rodent). The Vector Control Division devotes its time primarily to:

1. Vector Control
2. West Nile surveillance
3. Dead animal removal
4. Fleet maintenance and repairs



## MOSQUITO CONTROL

The spraying for adult mosquitoes in Vigo County was as diligent as the weather would allow in 2014. The adulticiding program consists of five ½ ton pickup trucks and three ATVs (equipped with ultra-low volume cold aerosol fog machines) to spray insecticides throughout the county, as well as the city of Terre Haute, for the control of adult mosquitoes. The ATV mounted ULV makes most sites accessible. All eight ultra-low volume-fogging machines must be certified for droplet size and calibrated for flow rate prior to each spraying season. Calibration is monitored daily throughout the spraying season. Adult mosquito control is accomplished using four insecticides, Mosquitomist 1.5 and Bio-Mist 4+12, Pyrofos and Kontrol 4X4.



**Chris Novak with Clarke Mosquito Control  
checking droplet size.**



**Vector Control Specialist  
Logan Edwards**



All ULV units are fitted with GPS compatible “Smart Flow” systems. This enables Vector Control staff to preset and record calibration, time of spraying, flow rate and vehicle speed.



Vector Control staff prepares and updates 26 maps that are 40-45 miles of county and city roads. The 26 maps show the areas to treat and also areas that we do not treat, which are considered no spray zones. Some of the areas that are considered no spray zones might be areas with organic gardens, beekeepers, large bodies of water or persons who have requested no spraying be done in the area they live, either for health or personal reasons. The 26 maps are treated weekly, biweekly or monthly depending on adult mosquito population and weather conditions.

Vector Control employees spend an extended amount of time treating stagnant water for mosquito larvae. Several brands of insecticide targeting several species are employed to kill the larvae. One type of insecticide (Golden bear) can last for seven days in stagnant low area water, covering the surface of the water denying the



mosquito larvae access to air. All “catch basins” or dry wells are treated with Altosid briquettes and Bactimas briquettes which lasts 30 or 150 days. Altosid Briquettes inhibit the growth of the larvae preventing them from becoming adults. Catch basins have been identified as one of many ideal habitats for the Vector (*Culex pipiens*), a mosquito, notoriously known for the transmission of West Nile. *Culex* mosquito larvae love the stagnant dirty water left behind from rain that doesn't soak into the ground but runs off into catch basins, retention ponds, and roadside ditches.



In 2014, approximately 1,360 catch basins were treated. That number will continue to increase due to community growth. Parking lots and subdivisions will install retention ponds and/ or catch basins to contain water run-off. Catch basins and larvaciding sites are mapped out using the County’s GIS system. Larvae samples are examined for identification of species to insure proper insecticide treatment.

The following table contains a list of the amount and types of insecticide used in Vigo County to control adult mosquitoes and larvae in 2014.

	INSECTICIDE	AMOUNT USED
55 Gallon Drum	Biomist 4 + 12	8 Drums
55 Gallon Drum	Pyrofos	17 Drums
55 Gallon Drum	Mosquitomist	6 Drums
220 Per Case	Altosid Briquettes (150 Day)	8 Cases
100 Per Case	Bactimas Briquettes	20 Cases
400 Per Case	Altosid Briquettes (30 Day)	1 Case
Sold per Pound	Skeeter Abate 5%	66 lbs

## WEST NILE VIRUS SURVEILLANCE

We use two different types of light traps. One type of light trap (CDC -CO<sub>2</sub>-Baited trap) uses dry ice or an attractant called "octonol" which simulates the exhaled respiratory gases of birds or mammals. The other is a gravid trap that uses alfalfa pellets mixed with water. The fermentation of these pellets releases an odor, similar to a livestock barn, and creates dirty, stagnant water that attracts gravid culex mosquitoes.

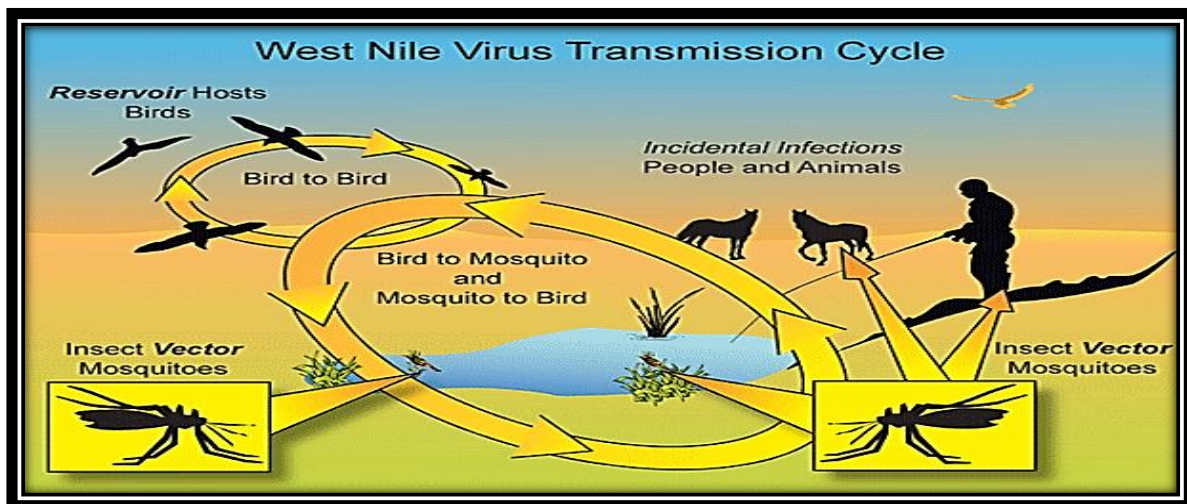
Light traps were set out at numerous locations throughout Vigo County with 4,473 mosquitoes being collected between June and October 2014. Once the mosquitoes are collected they are separated into groups ranging in number from 5 to 100 and are then labeled as "pools of mosquitoes", which are sent to the Indiana State Department of Health (ISDH) for West Nile testing. A total of 118 pools were sent in to ISDH for testing in 2014, with two coming back positive. Vector control specialists will continue to set, maintain and collect mosquito pools for West Nile Virus testing.



Seasonal employee, Dailyn Beck identifies and separates mosquitoes before shipping to ISDH



Dr. James Turner hanging a CDC light trap for mosquito surveillance



## TIRE CLEAN-UP PROGRAM

In 2014, Vigo County Health Department employees removed discarded tires from the alleys and streets of Terre Haute and surrounding communities. A total of 6,885 tires were collected, filling seven 53' semi-trailers. Residents that had tires stored outside were given information on our Tire Storage Ordinance informing them that the tires must be stored inside or removed from the property.



**Christina Keller and Mandy Bales**



**Trucks ready to be unloaded during  
Tire Amnesty**

## MOSQUITO BORNE DISEASE PREVENTION ACTIVITIES

1. Distributed 5,600 "Skeeter Beater" coloring books to pre-school through 3<sup>rd</sup> grade elementary students on preventing and identifying prime breeding areas for mosquitoes.
2. Distributed "Skeeter Beater" coloring books to Saint Patrick's School and CASY (Community Alliance & Services for Young Children, Inc.).
3. Worked with home owners (high grass, weeds, swimming pools, fishponds, standing water).
4. Sent out *Notice to Abate* letters to all Vigo County cemetery caretakers.
5. Worked with Terre Haute Street Department to remove standing water from alleys.
6. Participated in National Night Out and distributed "Skeeter Beater" coloring books.
7. Participated in Clean up Terre Haute program in May and September 2014.
8. Participated in Tox-A-Way Day in September 2014.
9. Continued to monitor home owners, tire retailers and salvage yards to ensure compliance with the Tire Storage Ordinance.





## 2015 MOSQUITO AND LARVAE CONTROL STRATEGIES

1. Intensify local culex and aedes mosquito larval control to prevent the emergence of adult mosquitoes that feed on birds and contribute to the virus amplification transmission cycle.
2. Continue active West Nile surveillance to determine the presence of new or expanding West Nile transmission. (Light traps-Adult mosquito testing)
3. Reinforce public education and outreach programs to reduce mosquito- breeding sites around homes.
4. Educate on personal protective measures (long sleeves, insect repellent) with the use of the media (TV, radio, newspapers and social media)
5. Implement local mosquito control to reduce the number of virus infected mosquitoes, thus reducing the immediate risk to humans.
6. Monitor adult and larval mosquito control efforts to ensure that the local programs are effectively reducing mosquito densities and virus infection rates.
7. Conduct inspections of local tire retailers and junkyards for tire storage ordinance compliance.



## REMOVAL OF DECEASED ANIMALS

In 2014, a total of 753 deceased animals were taken to the county landfill. 590 were removed from private properties as well as city and county roadways. An additional 163 were removed from the Terre Haute Humane Shelter.

### RODENTS



Rodents (i.e. rats, mice) are another source of disease transmission. While Vigo County does not have a major rodent problem, there are areas that contain a large number of rodents. Rodents must have adequate food, shelter, and water in order to survive.

For these reasons, a large majority of rodent complaints are located within the city of Terre Haute.

A vector control specialist investigates complaints about rodents and proceeds to make recommendations to the property owner on findings and rodent control (i.e. removal of debris, animal feces). In some cases, the vector control specialist may set out bait and remove dead rodents, but the majority of the extermination is usually the responsibility of the property owner. A vector control specialist will continue to make follow up inspections to insure the property owner is correctly handling the problem. Four rodent complaints were investigated in 2014.

### RABIES

In 2014, Vector Control staff sent in one cat, one dog and nineteen bats to the ISDH for rabies testing. One bat tested positive for the rabies virus. Night surveillance was performed by Vector Control staff at seven homes in Terre Haute to assist the homeowners in bat proofing their homes.



Little brown bat being removed from residence.

## VEHICLE MAINTENANCE

During the winter months the Vector Control Division is busy with repairing, cleaning and inspection of all vehicles and equipment. All ULV spray units must be cleaned and broken down during the winter months, checked, repaired and parts replaced as needed. Along with routine maintenance, all trucks and cars are thoroughly inspected and repaired. All Health Department vehicles and equipment have routine maintenance throughout the year.



Tony Grayless and Warren Sweitzer



Logan Edwards and Tony Grayless

## VIGO COUNTY & CITY OF TERRE HAUTE TOX AWAY DAY

Vigo County and Terre Haute City government work collaboratively on many projects and events to better serve our citizens. The Vector Control Division worked Tox Away Day in September 2014.



Vigo County Fairgrounds



David Higgins at Tox Away Day



## TOYS FOR TOTS

In 2014 Vigo County Health Department employees donated money to purchase toys for the Toys for Tots program in Vigo County, collected over \$2,300. The mission of the U. S. Marine Corps Reserve Toys for Tots Program is to collect new, unwrapped toys during October, November and December each year, and distribute those toys as Christmas gifts to less fortunate children in our community so they can experience the joy of Christmas.



## HEALTH EDUCATION/MEDIA COORDINATION



**Christina Keller**

The purpose of Health Education/Media Coordination is to reduce the number of preventable deaths in Vigo County by educating the community on public health issues. The goal for 2014 was to raise awareness regarding health risk factors and decrease the morbidity rate from preventable disease. Health education is a process that involves informing the public about achieving and maintaining quality health, instilling quality health habits, and providing the community with the necessary tools to make educated decisions regarding their own lifestyle and health

Health Education/Media Coordination utilizes the following outlets:

- Presentations/Programs
- Health Fairs
- Media Partnerships
- Social Media
- Community Involvement





## PRESENTATIONS & PROGRAMS

Presentations offer a comprehensive look at today's public health issues that are of concern. Some presentations are multi-faceted, such as an overview of the Health Department and its role in public health in Vigo County; others can be an in-depth look into issues such as bedbugs, influenza, or tobacco use in our community. This involvement offers the public the opportunity to learn about their health and well-being and ask questions. The Vigo County Health Department assists with many organizations, which include but are not limited to; the Lead Poisoning Prevention Coalition, Hamilton Center, Vigo County Head Start, Indiana State University courses, and the Vigo County School Corporation.

### The following is a brief list of programs & presentations:

- County-wide employee CPR program
- County-wide Blood Drives
- Youth Well Fit Afterschool Pilot Program
- Children's Bureau Head Lice & Bedbug Presentation
- Path to Freedom Walking Group
- Tobacco Prevention
- Hepatitis C Workshop
- Heatstroke Taskforce
- Garfield Towers MRSA presentation
- County Fair - Lead Testing & Education
- Hand washing and Food Safety at West Vigo Middle School
- HIV/AIDS education at West Vigo Middle School
- National Night Out 2014
- Lead poisoning awareness
- Stress management at Hamilton Center
- Hand washing at Hamilton Center
- Vaccinations for the elderly, Sycamore Manor
- Flu prevention at Hamilton Center
- Tobacco cessation at Hamilton Center



Jane Keyes, Tina (ISU), Christina Keller



Rhonda & Christina teaching  
doing lead testing and education  
hand washing and food safety



## HEALTH FAIRS

Health fairs are a great way to promote health awareness and encourage participants to take responsibility for their health and provide valuable health information. The Vigo County Health Department holds an annual County Employee Health Fair to celebrate Public Health Week in April. Prevention was the focus of the health fair this year! Local organizations provided information on a variety of healthy lifestyle topics including fitness, healthy eating, tobacco cessation, and disease prevention. Health fairs allow health department employees the opportunity to meet with the public. This year, Vigo County Health Department participated in the following health fairs:

- **Terre Haute Community Health Fair**
- **Rose Hulman Health Fair**
- **Ivy Tech Community College Health Fair**
- **Eli Lilly Employee Health Fair**
- **UAP Pulmonology Vendor Fair**
- **Ryves Hall Health Fair**
- **Regional Hospital Health Fair**
- **Minority Health Coalition Health Fair**
- **Vigo County Employee Health Fair**
- **Area 7 Aging & Disabled Fair**
- **Honey Creek Safety Fair**
- **Father's Day Health Fair**
- **COPD Health Fair**



## IHA's 13th ANNUAL HEALTH LITERACY CONFERENCE

The Institute for Healthcare Advancement (IHA) holds an annual conference where educators, researchers, policymakers, and others, who have developed best practices to face the low health literacy challenge, gather together and share new information and research. Presenters discuss programs and solutions to improve health communication, review programs of critical importance to improving health literacy, and teach attendee's skill sets to better serve their clients. The Vigo County Health Department Health Educator was thrilled for the opportunity to attend this conference in 2014 coming back with a surplus of new & exciting information on activities to make sure all of Vigo County has access to health education that is understandable and reliable.

## MEDIA PARTNERSHIPS

Working with the media is an extremely important component of Health Education. In order to ensure the residents of Vigo County receive the most accurate and up to date health information, the Vigo County Health Department has developed an excellent relationship with the media. The Health Educator/Media Coordinator works diligently with media outlets to compose important health messages in order to promote, provide, and protect the citizens of Vigo County and the surrounding areas. The following health topics were covered in the media:

- Influenza
- Ebola
- Bed Bugs
- National Night Out
- Vaccinations – Requirements
- Flooding
- Cold Weather Safety
- Vital Records
- Pneumonia
- County Health Rankings
- Mumps & Measles
- Path to Freedom Walking Group
- E-cigarettes
- Ticks
- Pertussis
- Lead Poisoning
- Tire Amnesty Program
- Child immunizations
- West Nile Virus
- Flu Shot Clinics
- National Public Health Week
- Vigo County Employee Public Health Fair
- Food Safety/Leftovers
- Annual Reports

## SOCIAL MEDIA

A new and evolving part of Health Education is our Social Media presence. We are very excited to now be a part of Facebook, Twitter, LinkedIn, YouTube, Pinterest, and Instagram! With the ever growing usage of social media sites it is crucial to use that to our advantage in reaching the public in every way possible for education and information. The use of social media in emergency situations such as an outbreak or natural disaster is also one of our main reasons to jump on board. Our goal is to provide the most accurate, up-to-date information as quickly as possible to our community. If you haven't already come visit our pages!



## VITAL STATISTICS DIVISION



Front Row, Left to Right: Connie Malooley and Terri Manning, Supervisor  
Back Row, Left to Right: Loretta Nicoson, Brooke Foltz and Kirsten McGrew

### THE VITAL RECORDS DIVISION'S OBJECTIVE IS TWO-FOLD:

- Carry out uniform procedures
- Maintain and protect the integrity of the Vital Records Systems



Terri Manning and Connie Malooley have each respectfully  
worked fifteen and ten years in Vital Records.



## THE DIVISION HAS THE RESPONSIBILITY TO:

- Maintain a system that accurately records all births, deaths and fetal deaths
- Efficiently issue certified copies of records
- Issue provisional notification of death-burial transit permits
- Process paternities when they come to us from the courts
- Type and process paternities when people schedule appointments to come in to our office
- Type affidavits of amendment and schedule appointments for people to make corrections to their birth record
- Work with funeral homes in filing death certificates
- Verify birth records for the Military, Social Security and Division of Family and Children
- Assist citizens who wish to inspect permanent birth and death records
- Assist customers in doing genealogy



**Brooke Foltz**



**Loretta Nicoson**

## NATALITY AND MORTILITY 2014

### BIRTHS REPORTED

In-Wedlock	1,140
Out-of-Wedlock	<u>1,154</u>
Total Births	2,294

### STILLBIRTHS

24

### DEATHS REPORTED

1,366

### CORRECTIONS PROCESSED:

Affidavit of Amendments	35
Adoption	12
Paternity Affidavit	<u>173</u>
Total Corrections	220

### BIRTH CERTIFICATES ISSUED

7,603

### DEATH CERTIFICATES ISSUED

8,621

### CERTIFICATES ISSUED FREE

452

### SEARCHES

55

### GENERAL HEALTH FUND

\$141,942.00

### CORONER'S TRAINING AND EDUCATION FUND

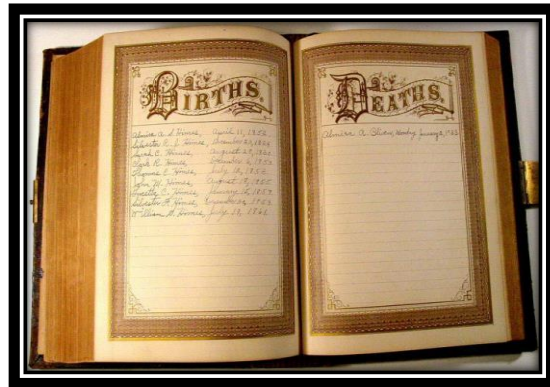
\$ 16,618.00

### TOTAL CASH RECEIVED

**\$158,560.00**



**Kirsten McGrew**



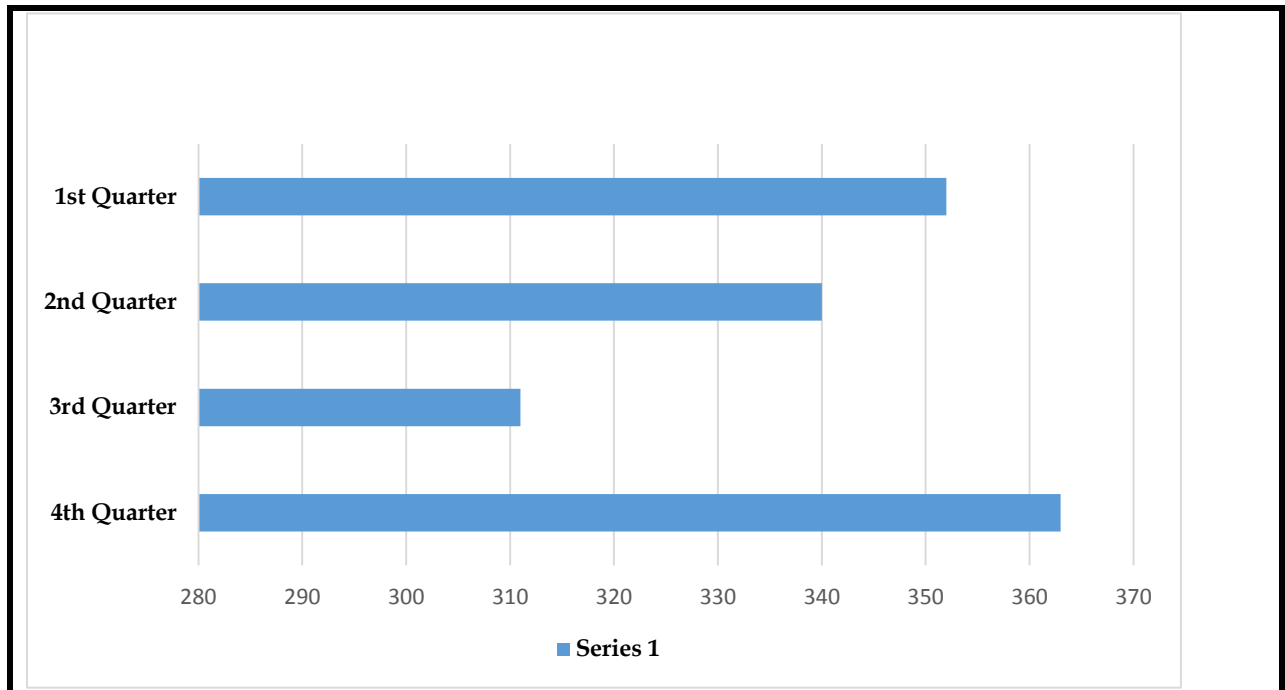
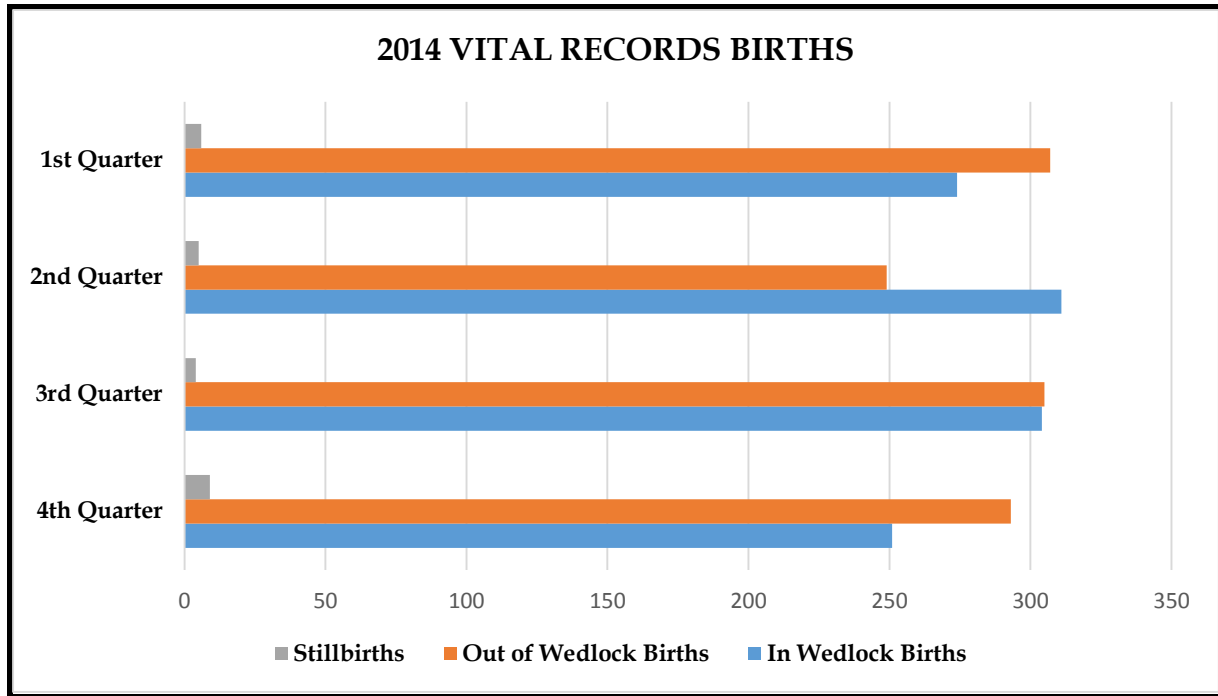
### LIST OF CHARGES

**Coroner Training and Education Fund - \$2.00 out of each \$10.00 charge for Death Certificates**

**Genealogy Certificates and Searches - \$10.00**

**Office Corrections (Paternity, Affidavit of Amendment) - \$10.00**

## BIRTHS AND DEATHS BY GRAPH IN 2014





## NURSING DIVISION



**Left to right front row: Registered Nurses Jane Keyes, Christine Jones, Chrissy Barbour and Kristin Wright**  
**Left to right back row: Teresa Bechtel and Dolly Moss**

The Vigo County Health Department Clinic is located at 696 S. 1st Street at the Southwest corner of the Vigo County Annex Building. In 2014, three full-time Registered Nurses, a full-time Secretary and a full-time Immunization Registry Clerk provided staffing for the Clinic. In February 2015, Christine Jones RN joined the time part-time. In addition, a Pediatrician, Dr. Catherine Brown, staffed our weekly Well Child Clinics. The Health Department Clinic provided services to both children and adults for a nominal fee or free of charge. In 2014, there were 5,061 client visits to the Clinic.

### **WELL CHILD PROGRAM/SPORTS PHYSICALS/KINDERGARTEN PHYSICALS/VACCINE FOR CHILDREN PROGRAM**

The Well Child Program serves children from birth through 18 years of age. In 2014, the VCHD Clinic continued our weekly Well Child Clinics, in which Dr. Brown provided well child physicals, sports physicals, kindergarten physicals and Head Start physicals for a nominal fee. The clinic is also a provider enrolled in the Vaccines for Children program and provided childhood immunizations to those who qualified. In 2014, 2,124 childhood vaccines were administered.

## EPIDEMIOLOGY AND COMMUNICABLE DISEASE

Indiana Code 16-41-2-1 requires local health departments to investigate and report communicable diseases listed in the Indiana State Department of Health Communicable Disease Reporting Rule. Once the investigations are completed, they are entered into the computerized data base known as the Indiana National Electronic Disease Surveillance System (I-NEDSS). VCHD Clinic nurses investigated and reported 401 confirmed communicable disease cases, including <5 cases of Mumps. Chronic Hepatitis C continued to be the most prevalent communicable disease investigated by the VCHD in 2014.



**Christine Jones, RN**



**Dr. Catherine Brown**

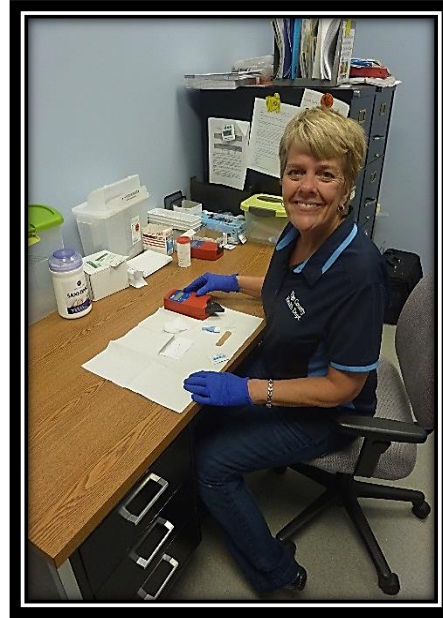
## INDIANA STATE IMMUNIZATION GRANT

In September, the Vigo County Health Department Nursing division was awarded a grant from the Indiana State Immunization Division for \$95,283.00. Funds from this grant will be used to increase vaccination coverage rates, increase participation in MyVaxIndiana the Indiana Immunization registry, CHIRP, conduct a reminder recall activity focused on HPV, conduct a quality improvement activity with Vigo County data in CHIRP, partner with area schools to increase seasonal influenza coverage rates, and review, revise and exercise the Pandemic Influenza Plan. In 2015, the nursing division also plans to use grant funds to hire a part time nurse, purchase billboards and newspaper ads, purchase equipment needed for the clinic and have evening clinic office hours the second Tuesday of every month. We are looking forward to reviewing our grant goals and outcomes in the 2015 Annual Report.



## LEAD SCREENING

In 2014, approximately 234 children were screened for lead poisoning by the Vigo County Health Department Clinic. We held many lead screening outreach clinics throughout the county such as Head Start, Early Head Start, ISU Early Childhood Center and National Night Out. We screened a record number of 67 children at National Night Out. Out of the 67 children screened for lead poisoning 5 were found to be slightly elevated for lead poisoning and were added to case management for follow up testing. Lead poisoning case management and environmental lead risk assessment consists of patient cases that are over the level of 10 mg/dl for blood lead levels.



Jane Keyes, RN

## TUBERCULOSIS CASE MANAGEMENT AND TESTING

Tuberculosis control and case management by Local Health Departments is a mandated task under the Indiana Code 410 IAC 1-2.3-106. This includes investigating positive skin tests, collection of sputum samples for evaluation by the ISDH lab, providing medications for both active and latent TB cases, home visits for medication administration, evaluation and testing of contacts of the infected patient, communication with the patient's physician and patient education. In 2014, less than 5 active TB cases, less than 5 suspect, and 60 latent TB cases were managed by the VCHD Clinic. In addition, the VCHD Clinic provided TB skin testing on a walk in basis on Mondays and Fridays for the community for a nominal charge. 1,107 TB skin tests were administered in 2014.

## FOREIGN TRAVEL, ADULT VACCINE PROGRAM ADULT WELL PHYSICALS

The Foreign Travel/ Adult Vaccine Program provides international travelers with protection from vaccine-preventable diseases while traveling outside the United States. Vaccines provided in 2014 were Hepatitis A, Hepatitis B, Tdap, Varicella, MMR and Yellow Fever. The VCHD Clinic is one of the few designated licensed Yellow Fever vaccine providers for the state of Indiana. There were 905 foreign travel/adult vaccines administered in 2014. The Adult Stay Well Program was continued by Dr. Brown who provided adult physicals which included college students, daycare employees, and foster care parents for a nominal fee.



## EDUCATION

The public health nurses attended numerous training and educational courses throughout the year, including a STD lecture held at Union Hospital in March, a CDC presentation on immunizations by Dr Schuschat in April, ISDH Public Health Nursing Conference in May, A-Z vaccine training and CHIRP user group meeting in July, attended our regional public health nurse meeting in September and completed recertification training for TB testing in September. Christina Barbour RN attended the National Immunization Coalition Conference in Seattle, Washington in May.



**Chrissy Barbour RN, Rhonda Coombs  
and Kristin Wright RN**



**Immunization A to Z Training**

## COMMUNITY INVOLVEMENT

There were several health fairs the nurses participated in including, IU Medical Community Health Fair and The Minority Health Fair. In January, Jane Keyes RN spoke at Union Hospital's "Ground Rounds" Continuing Medical Education program covering communicable disease reporting. Immunizations are an important part of what the nurses at the Vigo County Health Department do on a daily basis. There were several opportunities to immunize adults in our community including clinics offered to Rose-Hulman College, Honey Creek Fire Department and the Vigo County Sheriff's Department. Flu vaccines were also given to Vigo County Employees. The nurses also serve as clinical preceptors for nursing students from ISU, USI, and SMWC. The nurses sit on several community boards, such as the Vigo County Immunization Task Force, Early Headstart Health Advisory Committee, Headstart Policy Council, DCS Safety Team, Child Fatality Team District 8, and United Way Healthier by 2020 Obesity Initiative.

## ENVIRONMENTAL HEALTH DIVISION



**Front row, left to right: Marci Shaw, Travella Myers and Amanda Bales**  
**Back row, left to right: Steve Thompson, Theresa Jackson and Mark McClintock**

The Environmental Health Division is focused on the prevention of injury and disease by controlling the links between humans and their environment. Our programs seek to minimize or eliminate risk factors in the human environment that may threaten life and overall health.

### DRINKING WATER PROGRAM



The drinking water program includes the review of water sampling results from daycares, mobile home parks, and retail food establishments that utilize well water; education on proper care and shocking of wells, and guidance when flooding is an issue.

## FOOD SAFETY PROGRAM

The Food Safety Program involves the planning of new and remodeled retail food establishments, planning of fairs and festivals in Vigo County, and the licensing and inspecting of all retail food establishments. We work closely with the state department of health on any food recalls and food borne illnesses.



## IN 2014 THE FOOD SAFETY PROGRAM

### Inspections Conducted:

- 1,115 routine inspections
- 35 follow-up inspections
- 41 plan reviews
- 11 pre-opening inspections
- 28 opening inspections
- 6 food complaints

### Licensed:

- 517 Retail food establishments
- 74 Temporary food stands
- 27 Mobile units
- 13 Farmer's Market



The Vigo County Health Department, Food Safety Program began the process of having an inspection program created by the Inspect2Go company. This company boasted to provide

*"Inspection software with offline convenience and online flexibility. Inspections and audits are easy to perform, even when internet connectivity is unavailable. The mobile inspection app syncs with inspect2GO's powerful, web-based inspection management software for advanced reporting, scheduling and administrative functions. The software is custom tailored to the unique needs of each new client."*

We have been pleased with what the program allows us to do administratively and in the field.



## WASTEWATER MANAGEMENT PROGRAM



The planning, installation, and repair of on-site sewage disposal systems must be reviewed and inspected by one of our full-time environmental health specialist. This includes the reviewing of soil scientist reports, drawing of installed systems for department records, and giving recommendations for proposed subdivisions.

**In 2014 a total of:**

- 33 New installations of on-site sewage disposal systems
- 7 Additions to on-site sewage disposal systems
- 35 Replacements of on-site sewage disposal systems
- 2 Repairs of on-site sewage disposal systems
- 32 Subdivisions

## RECREATIONAL WATER PROGRAM



Recreational water includes the inspection and review of bacteriological reports of swimming and wading pools, spas, therapy pools, and public access beaches. The inspection entails an evaluation of the pool area, water quality, safety equipment, and mechanical room.

**In 2014:**

- 153 Regular inspections were performed
- 9 Follow-up inspections
- 29 Closings

## BODY ART SAFETY PROGRAM

Through the Body Art Safety program the Environmental Health Specialist works to ensure the safe and proper operation of the licensed body art establishments in Vigo County. We educate operators, evaluate plan reviews, and perform opening inspections on new or remodeled body art establishments. We also ensure general safety and sanitation standards, and proper disposal methods of infectious waste.

The Artist licensing program ensures the individuals that are performing the body art are knowledgeable and competent.

### In 2014:

- 7 Body Art establishments licensed
- 8 Routine inspections
- 2 Opening inspections
- 1 follow-up
- 25 Regular Artist License
- 13 Temporary Artist License



## PUBLIC HEALTH COMPLAINT PROGRAM

Housing and property complaints filter through this program. Some of the problems addressed are: mold, rodents, roaches, animal feces, meth lab clean up, surfacing sewage, and human feces.



- 25 surfacing sewage complaints
- 2 trash and garbage complaints
- 2 animal feces complaints

- 22 bed bug complaints
- 20 mold complaints



## LEAD POISONING PREVENTION PROGRAM



The state of Indiana mandates the local health department to follow children with elevated blood lead levels of 10  $\mu\text{g}$  or more and to follow up services to provide parent education and blood testing of children with elevated blood lead levels of 5  $\mu\text{g}/\text{dL}$  of blood or more. This includes educating the parents and conducting a risk assessment on the home.

- 33 open cases
- 4 new cases
- 7 risk assessments
- 0 clearance exams
- 234 children screened
- 37 open cases
- 8 new cases
- 8 risk assessments
- 0 clearance exams

In 2015 the department will continue lead poisoning prevention through community outreach events that increased educational awareness about the risks of lead to children, and increased the number of children tested for exposure to lead.



**Lead Testing at the 2014 National Night Out at Fairbanks Park**

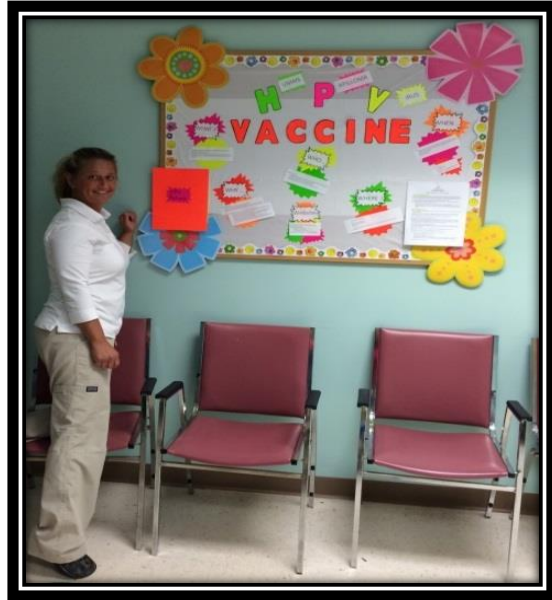


## **PUBLIC HEALTH STUDENT EXPERIENCE**

The Vigo County Health Department partners with local colleges and universities to provide public health experiences with in all divisions.



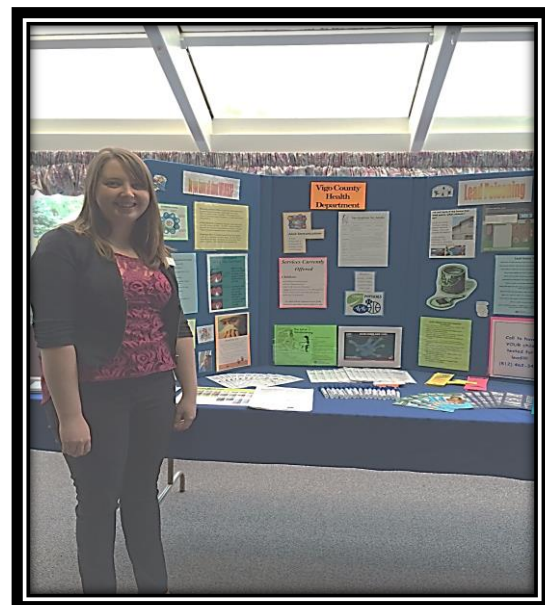
**California resident, Augustina Urubusi  
ISU Nursing Distance Education Program**



**Nursing student, Brandy Moore,  
University Southern Indiana**



**ISU student, Holly Zschiedrich and  
USI student Brandy Moore**



**ISU Nursing Student, Louise McCallin**

**VIGO COUNTY GROUP HOME  
"FUN, FOOD AND FIT"  
ADOLESCENT WELLNESS PROGRAM**



**ISU Exercise Science Interns for the Union Hospital Center for Fitness and Performance Harley Hensley, Tyler Richter, unknown, William Koressel and Kolby Henke**



## **"HEALTHIER BY 2020"**



**Christina Avary, Healthier by 2020  
Health Activities Coordinator**

The United Way of the Wabash Valley is intending to impact our community in the area of health through an initiative called "*Healthier by 2020*." The intent is to make an impact on obesity by approaching it through a healthy eating and a physical activity plan. Over the past three decades, the prevalence of overweight and obese people has increased at an alarming rate. In Indiana, 29% of adolescents and 65% of adults are overweight or obese. Poor nutrition and sedentary behaviors are contributing to this epidemic. The overall objective of the health initiative is to decrease the percentage of adults who are obese from 30% to 25% by 2020

### **MOBILE MARKET**

The Mobile Market has been in route since October, 2013 and has already achieved the outcome of increasing the availability of fresh fruit and vegetables to customers by reducing the distance to fresh produce by 75%.

The Mobile Market is still operating on the winter schedule and has picked up one new location (Goodwill 600 S. 3<sup>rd</sup> St.) and is revisiting Greenwood Manor. The schedule is being reevaluated and there is a possibility that the Mobile Market will start operating on Monday through Friday, allowing the opportunity to reach more locations.

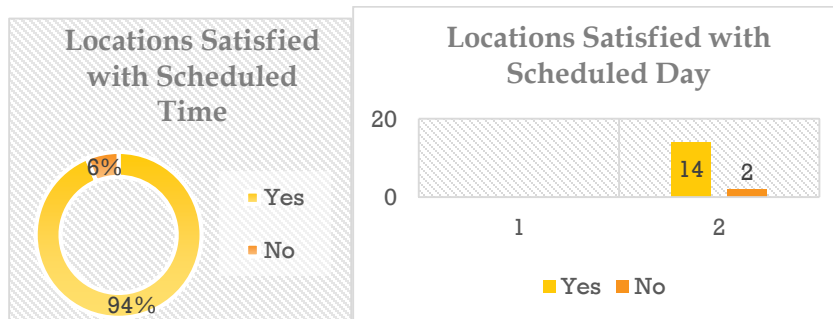
In addition to the schedule, the following have been implemented

- Purchased equipment to implement cooking demonstrations
- Collaborating with ISU Applied Health Science department- Students conducted focus groups at several locations to collect qualitative data to gain a better understanding of shoppers and the geriatric population that we serve. These students are also pulling together healthy, quick recipes incorporating the items offered on the Mobile Market. This will be published and disseminated to our customers and to our participants of the Family Teaching Kitchens.
- Using Applied Health Science interns for summer employees to assist with Mobile Market and increase nutrition education on the Mobile Market.
- Site supervisor surveys were disseminated and collected to use as a guide to improve customer service and satisfaction. The following is a snapshot of the collected data.



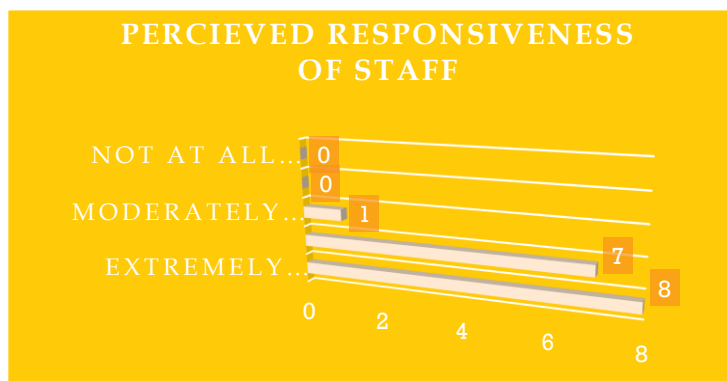


Mobile Market has been visiting 56% of its locations for more than one year, 38% between six months to one year and 6% of its locations for one to three months. Eighty-eight percent are satisfied with the scheduled day of visit and ninety-four percent are satisfied with the scheduled time of visit.



50% perceive the staff as extremely responsive to questions/concerns (See figure)

100% of locations were either extremely satisfied or very satisfied with the Mobile Market staff's professionalism and customer service.



## FAMILY TEACHING KITCHENS

There are three Family Teaching Kitchens workshops scheduled for 2015. These free workshops are open to all community members in the Wabash valley to educate and promote healthy eating by teaching participants how to safely prepare quick, inexpensive snacks and meals. In collaboration with the Vigo County Health Department, the Maple Center for Integrative Health, Purdue Extensions, and CASY, we are working to bridge the gap in nutrition education in the Wabash Valley. The first Whip It Up Wednesday class series ended February 4<sup>th</sup> and was held at the Booker T. Washington Community Center. Twenty-five people registered for the four class series that covers food safety, healthy snacking, preparing quick, healthy meals, and storing and making over the leftovers. Pre and post testing was used to measure outcomes. A Wabash Valley Family Teaching Kitchens Facebook page has been created to share recipes, nutrition tips, and information on upcoming classes. The next workshop will be scheduled in June 2015.



### Whip It Up Wednesday

March is National Nutrition Month!

Whip It Up Wednesday is a workshop for parents and caregivers to gain a better understanding of how to prepare simple, quick and healthy meals for their families.

- Instructors will demonstrate how to cook and prepare a variety of meals and will provide "tastes" to workshop participants. After each session, participants will take home the recipes and the ingredients to cook each meal at home!

**Free childcare provided!**

March 6  
March 13  
March 20  
March 27

5:30 pm—6:30 pm  
at the Booker T Washington Community Center

**Can we save you a spot?**  
Call Billie at 812.232.5190

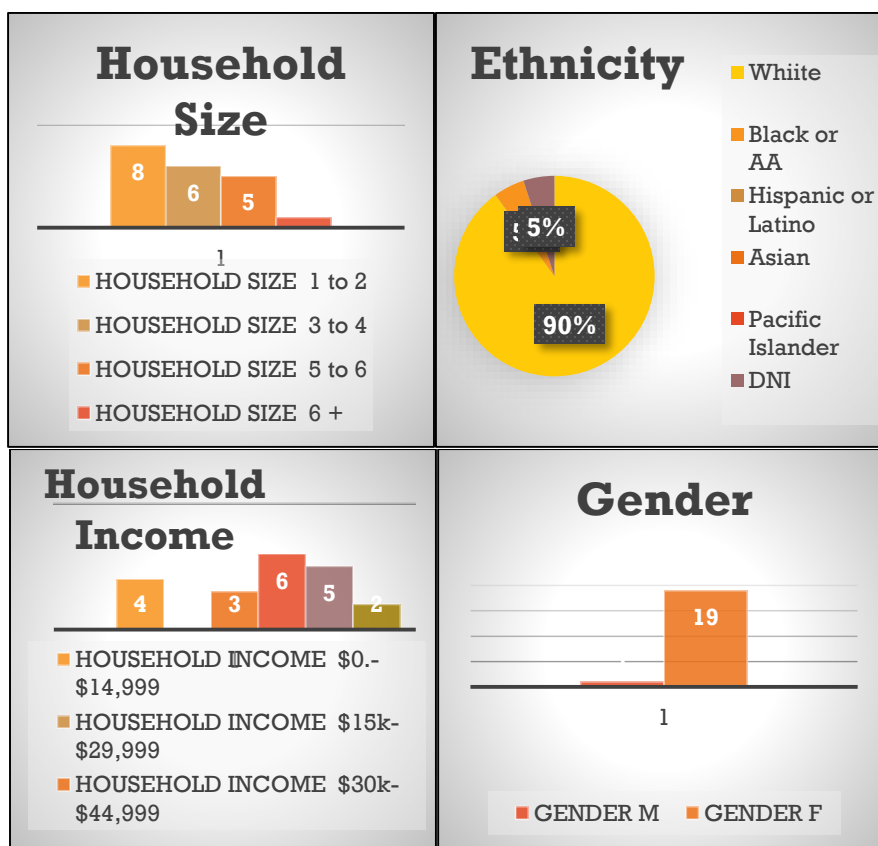
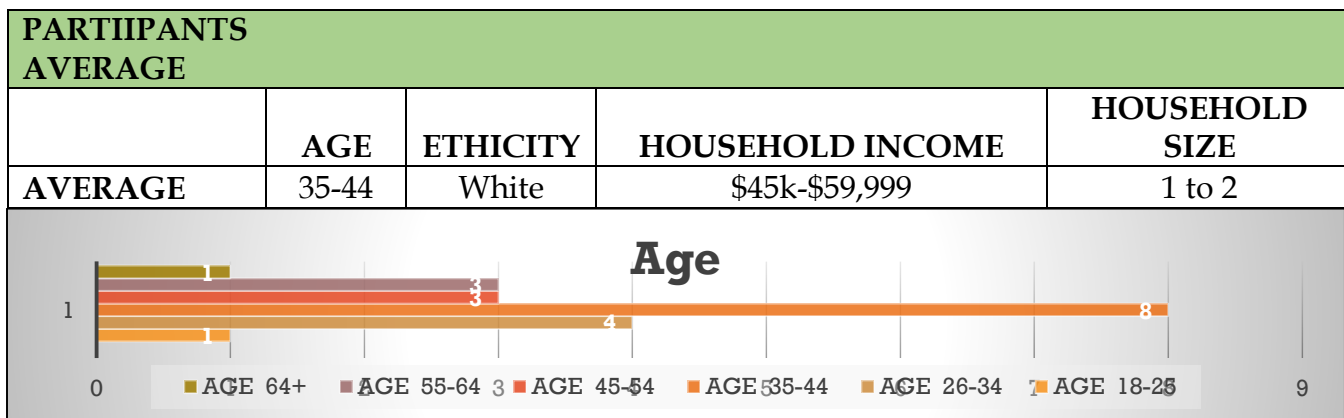
CHANCES for Indiana Youth  
Booker T Washington Community Center  
1101 S 13th Street  
Terre Haute, IN 47802  
812.232.5190  
fax: 812.234.0711

Free cooking utensils will go home with each participant after each workshop!

Attendance at all 4 workshops wins you the choice of a free electric or 5-quart skillet!

United Way  
Purdue Extension  
LOCAL FACES

THE FOLLOWING IS THE DEMOGRAPHIC INFORMATION OF THE PARTICIPANTS OF THE LAST FAMILY TEACHING KITCHEN.





## PRE & POST TEST RESULTS

Pre and post test data shows an increase of knowledge in areas of food safety and nutrition among participants.

Correct answer

<b>FOOD SAFETY</b>					
Recommended thorough hand washing takes how long?					
	10 sec.	20 sec.	1 min.	2 min.	
PRE		35%			50% increase
POST		85%			
Freezing food will					
	Kill all bacteria		Not kill all bacteria		
PRE			90%		3% increase
POST			93%		
<b>NUTRITION</b>					
How many servings of fruit should you eat per day?					
	0	1	2 to 4	12	
PRE			90%		3% increase
POST			93%		
How many servings of vegetables should you eat per day?					
	0	1 to 2	3 to 5	10	
PRE			75%		12% increase
POST			87%		
Choose the healthiest way to prepare foods?					
	Deep fry	Bake	Boil		
PRE		80%			13% increase
POST		93%			

\*\*\*\* In addition, all participants correctly identified water as the healthiest beverage option, were able to identify where sugar and fat content was on a food label and identified the appropriate time to wash a cutting board on both pre and Post-test.

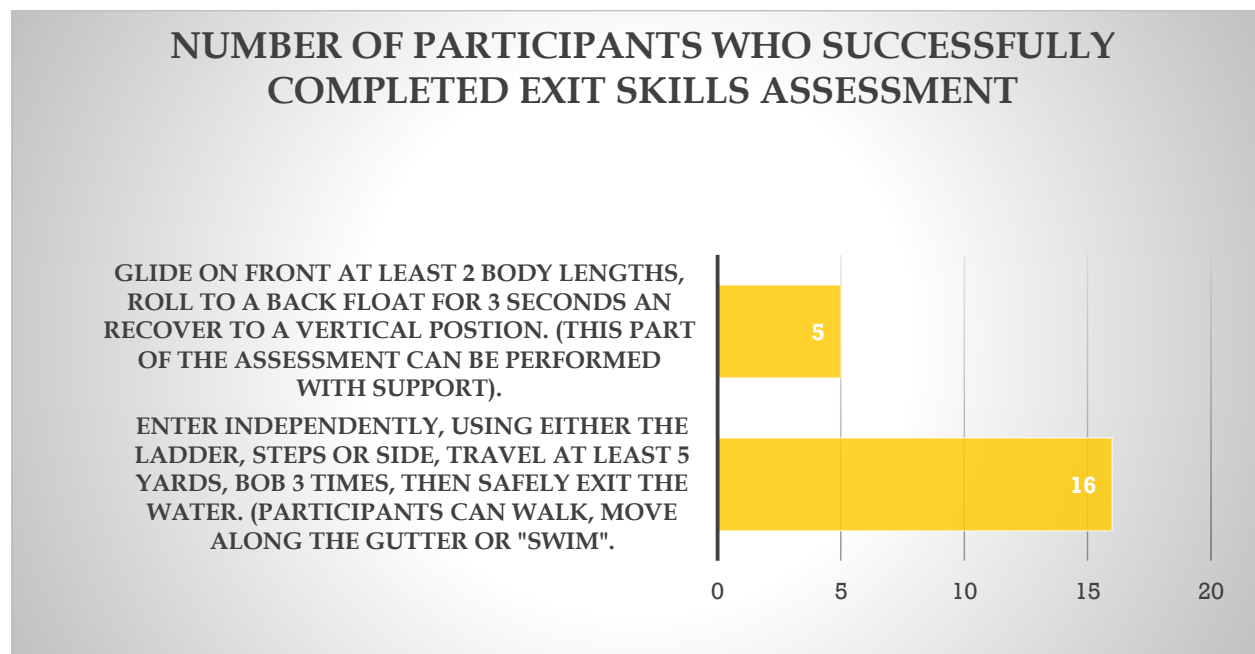
## IWALK WABASH VALLEY

The iwalk Wabash Valley is working at getting more community organizations involved in promoting physical activity among employees. Currently, there are four active walking groups and ten upcoming walking events listed on the iwalk website. The Chamber is hosting a Presidential Heart Health Challenge walk that started February 23<sup>rd</sup> in support of iwalk. The walking group will run until March 29<sup>th</sup>. The Chamber is working with iWalk to promote the Light the Way to Better Health Walk & Pomeroy Wellness Program Health Expo @ **SMWC** on May 29<sup>th</sup>. The goal is to have eight active walking groups by May 31<sup>st</sup> 2015.

## SWIM BY 7

The Swim by 7 program started in April 2014 is currently being facilitated by the Vigo County YMCA and will move to the new aquatic center once it is operating. This program is designed to teach children the water safety and swimming skills before the age of 7. Five sessions have been completed through 2 of the Vigo County School Corporation's schools (West Vigo and Sugar Creek Consolidated). The sixth class will be completed March 12<sup>th</sup> with students from Ouabache Elementary School. The following data shows the areas in which the children's swimming skills are evaluated.

**Data for December 2014 Sugar Creek Consolidated:**



<b>SAFETY</b>	<b># of Participants</b>	<b>%</b>
Staying safe around aquatic environment	15	75%
Recognizing the lifeguards	15	75%
Don't just pack it, wear your jacket	10	50%
Recognizing an emergency	18	90%
How to call for help	15	75%
Too much sun is no fun	10	50%
<b>TOTAL PARTICIPANTS</b>	<b>20</b>	
<b>SKILLS</b>	<b>PARTICIPANTS COMPLETING SKILL</b>	<b>%</b>
Enter water using ladder, steps or side	20	100
Exit water using ladder, steps or side	20	100
Blowing bubbles through mouth and nose (3 sec)	19	95
Bobbing, 3 times	15	75
Opening eyes under water and retrieving submerged objects, 2 times (shallow water)	11	55
Front glide, 2 body lengths	13	65
Recover from a front glide to a vertical position	9	45
Back glide, 2 body lengths	10	50
Back float, 3 seconds	12	60
Recover from a back float or glide to a vertical position	12	60
Roll from front to back	8	40
Roll from back to front	8	40
Treading using arm and hand actions (slightly deep water)	4	20
Alternating leg action on front, 2 body lengths	15	75
Simultaneous leg action on front, 2 body lengths	10	50
Alternating arm action on front, 2 body lengths	15	75
Simultaneous arm action on front, 2 body lengths	10	50
Combined arm and leg actions on front, 2 body lengths	17	85
Alternating leg action on back, 2 body lengths	13	65
Simultaneous leg action on back, 2 body lengths	10	50
Alternating arm action on back, 2 body lengths	10	50
Simultaneous arm action on back, 2 body lengths	7	35
Combined arm and leg actions on back, 2 body lengths	16	80
	Below 75% Improvements	
	<b>Total Participants</b>	<b>20</b>



# The End



**Public Health**  
Prevent. Promote. Protect  
Prevent. Promote. Protect  
Public Health

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